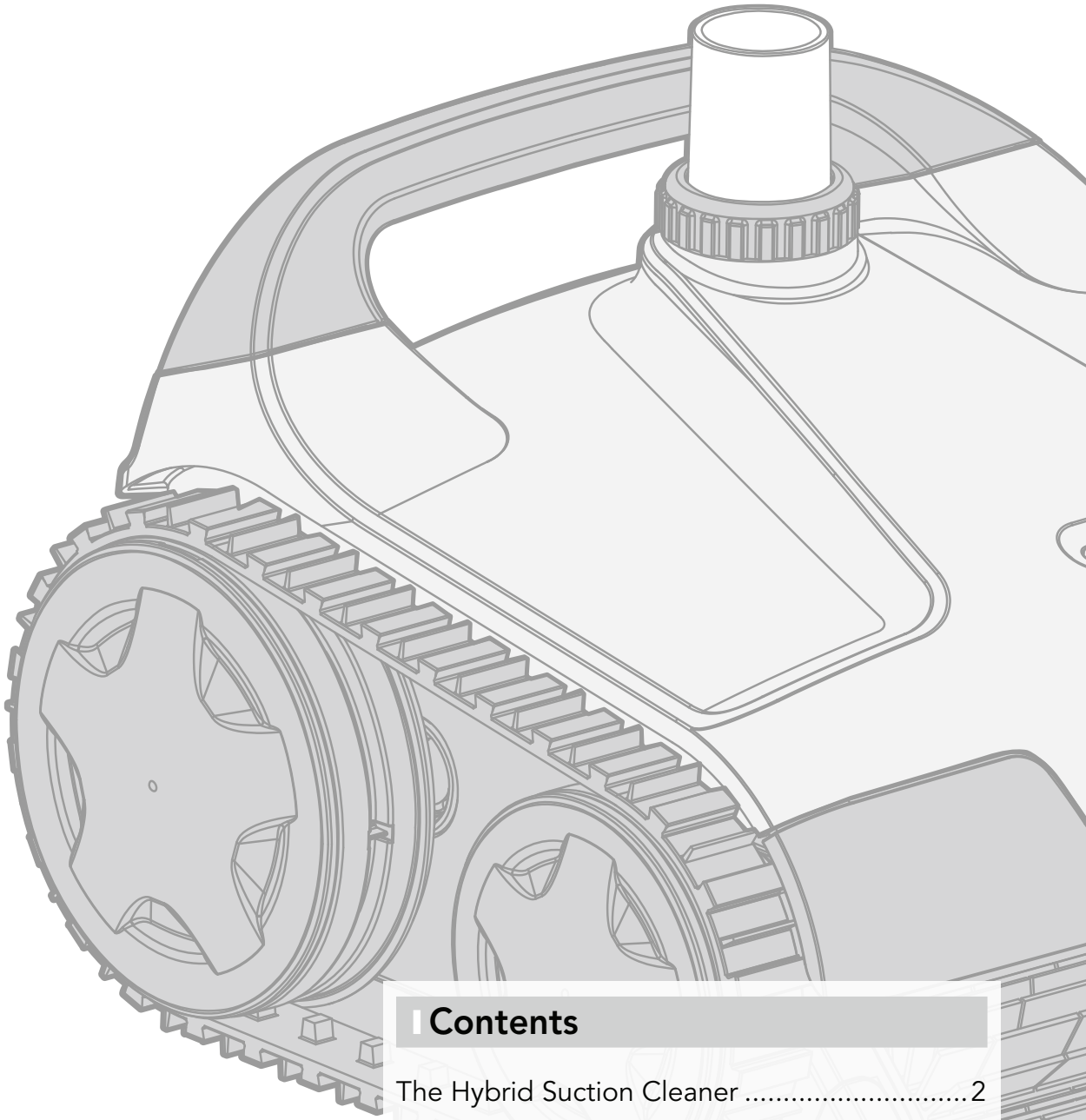
Hybrid - Robotic Suction Pool Cleaner

Operating Instructions

DAVEY POOLSWEEP Hybrid

DAVEY

8151170



Contents

The Hybrid Suction Cleaner 2
Parts 2
Warnings 3
Specifications 3
Water conditions 3
Pool Preparation 3
Setup 3
Cleaning Process 6
Removal from the Pool and Storage 7
Troubleshooting 7

Hybrid - Robotic Suction Pool Cleaner
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The Hybrid Suction Cleaner

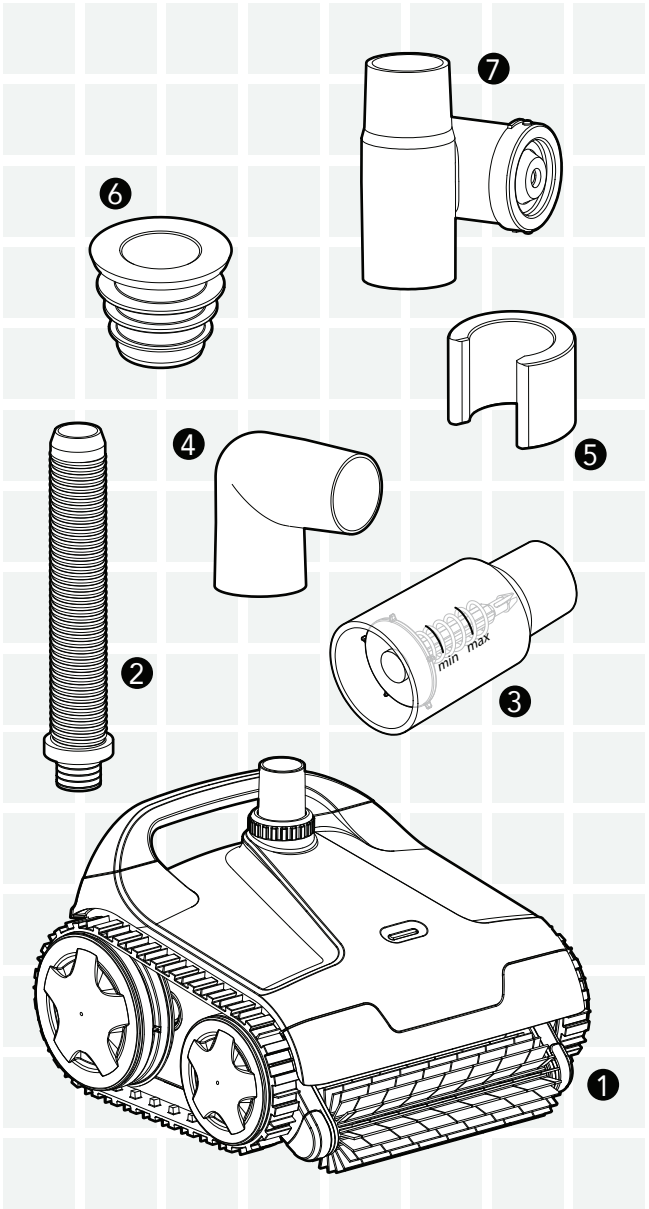
The Hybrid Cleaner is powered by the pool pump. For successful cleaning results, make sure that you connect the cleaner properly to the pool system.

Follow the instructions in this booklet for easy, efficient, and safe operation.

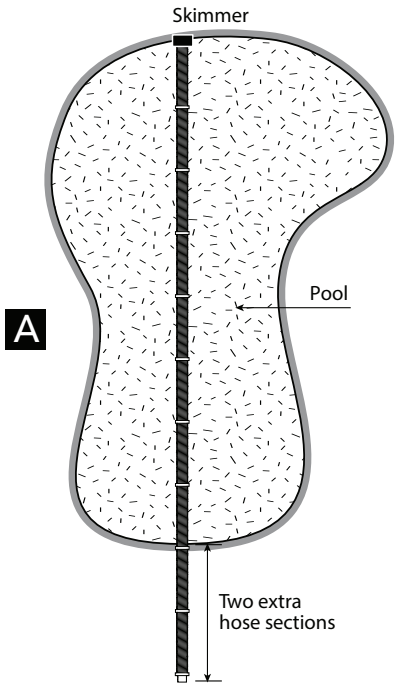
Parts

The Hybrid Cleaner kit includes:

1. Hybrid Cleaner
2. Hose Sections (1.17m/3.83ft x 10)
3. Flow Indicator
4. 90° Adapter
5. Float
6. Skimmer Adapter
7. Automatic Safety Valve



For proper operation, the hose must be long enough to reach from its pool connection to the most distant edge of the pool, plus two extra sections *(Drawing A)*. If needed, you can purchase additional hose sections from your supplier. Replacement parts are also available.



Warnings

- Do not enter the pool while the cleaner is working.
- The manufacturer is not responsible for any damage to the external pump.

Specifications

- Wight – 4.5 kg / 9.9lb
- Hose length – 10 Hoses of 1.17m / 3.83ft
- Required water flow – 5-8m^3

Water conditions

- Chlorine – Max 4ppm
- pH – 7.0-7.8
- NaCl – Max – 5000ppm
- Temperature – 6-34°C / 43-93°F

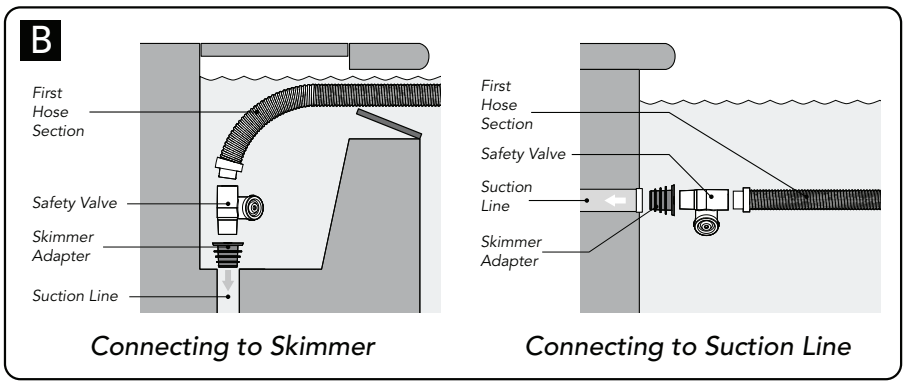
NOTE:

An optional Leaf Canister is also available for purchase from your supplier. The Leaf Canister traps leaves and other large debris, preventing blockage of the pool filter system. For maximum energy, backwash savings and environmentally friendly operation, we recommend using the Leaf Canister.

Pool Preparation

To prepare the pool for cleaning:

1. Remove any large objects that might interfere with the cleaner's operation.
2. Make sure that the water level reaches the skimmers.
3. Backwash the pool filter and make sure that suction pressure is sufficient, as recommended by the pump manufacturer.



Connecting to Skimmer *Connecting to Suction Line*

Setup

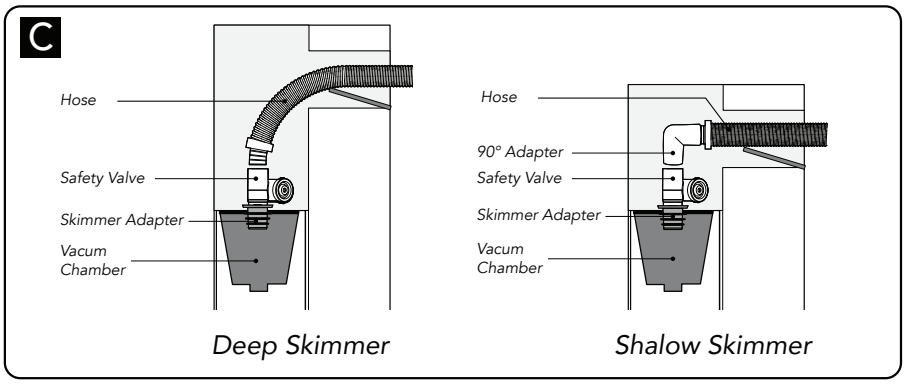
Connect the Hose

The Hybrid Cleaner connects to the pump of your pool, either by a built-in dedicated suction line or through one of the pool skimmers.

Connect the Hose Sections in the pool under water.

1. Switch the pool pump **OFF**.
2. Insert the flexible Skimmer Adaptor (only if needed) into the suction line opening and make sure to connect the Automatic Safety Valve. (Allows water flow into the pump in case the Cleaner is blocked by a foreign object).

3. If connecting to a skimmer, choose the skimmer located closest to the center of the longest pool wall.
4. Remove the skimmer basket and push the male end of a Hose Section into the Safety Valve, using a twisting motion.



5. If using a shallow skimmer, connect the 90° Adaptor to the automatic Safety Valve before connecting the Hose Section to ensure proper suction flow *(Drawing C)*.
6. Continue connecting additional sections until the hose is long enough to reach from its pool connection to the most distant edge of the pool, plus two extra sections.
7. Make sure to add the Float 40 cm (1.30 Ft) above the Hybrid Cleaner on the last Hose Section *(Drawing F)*.

CAUTION

Air trapped in the hose can damage your pump!

Check Flow

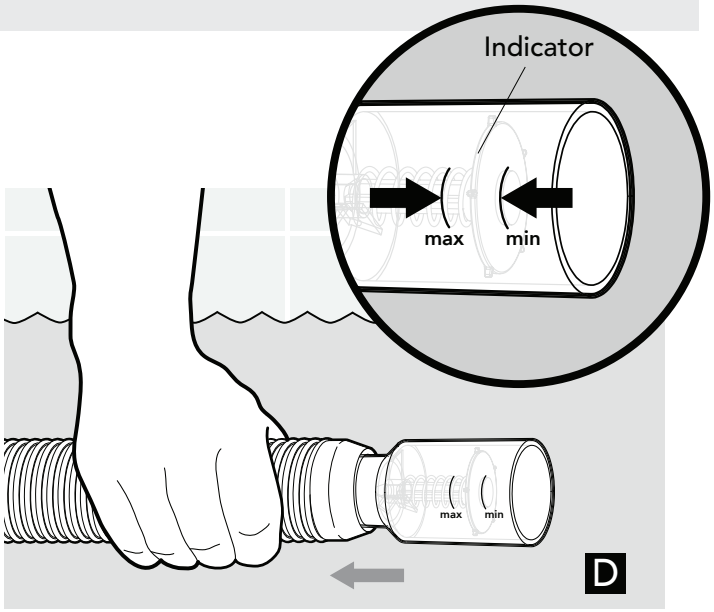
The Hybrid Cleaner operates on the suction power of the pool system. Satisfactory flow is important to ensure proper cleaning and to prevent damage to the Hybrid Cleaner.

NOTE:

Make sure to stop operation of the pool drain while the Hybrid Cleaner is working.

To make sure that flow is satisfactory:

1. Completely immerse the hose in the water and remove any trapped air.
2. Connect the Flow Indicator to the free end of the hose, under water level.
3. Switch the pool pump ON.
4. Check the Flow Indicator *(Drawing D)*. Make sure that the indicator is between MIN. and MAX. If the indicator is not in the satisfactory range, there may be air trapped in the hose. Wait approximately two minutes while the pump continues to operate to remove any trapped air.



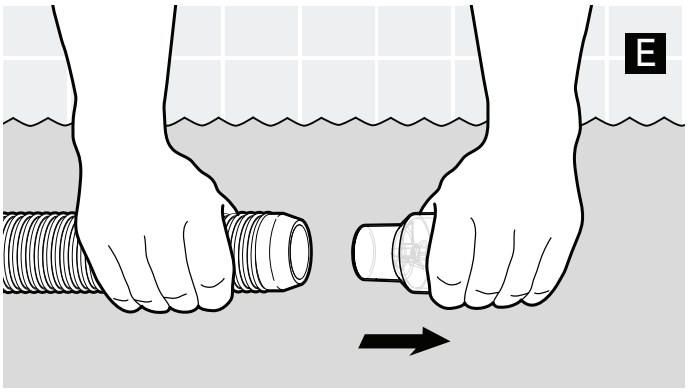
5. If the indicator remains outside the satisfactory range, correct unsatisfactory flow according to the instructions in the following table. After each action, check flow with the Flow Indicator. If flow is still unsatisfactory, proceed to the next action.

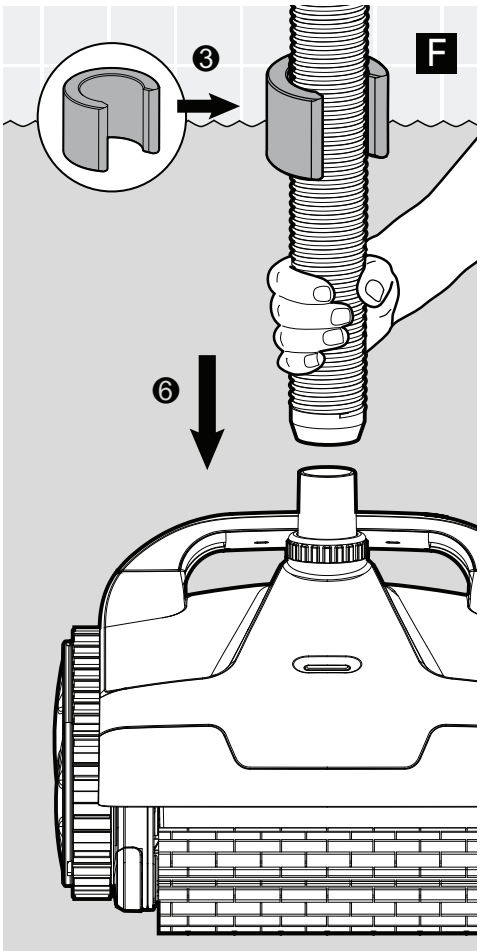
CAUTION

Operating above the MAX. may damage the Hybrid Cleaner.

Table 1: Flow Indicator

Flow Indication	Action
In satisfactory range	Connect the Hybrid Cleaner and begin the cleaning process.
Below **MIN.**	To correct the flow do one or more of the following: • Make sure that the water level of the pool reaches the skimmer. • Check that the hose is not twisted or bent near the pool connection. If it is, use the 90° Adaptor. • Close unused skimmers or main drain. Make sure that the skimmer used for the Hybrid Cleaner is fully opened. • Remove trapped air from the hose and Hybrid Cleaner. • Tighten connections between Hose Sections. • Backwash the main filter and clean the skimmer and pump basket.
Above **MAX.**	• Open unused skimmers partially (if closed). • If the Hybrid Cleaner is connected to a dedicated suction line, adjust its control valve on the pool pump. • If the Hybrid Cleaner is connected to a skimmer, reduce the suction on the pool pump.





Connect the Hybrid Cleaner

❶ Make sure that the pool pump is switched OFF.

❷ Disconnect the Flow Indicator *(Drawing E)*.

❸ Make sure the Float is connected on the hose 40 cm (1.30 ft) above the Hybrid Cleaner.

❹ Make sure that the hose is entirely under the water level and is filled with water.

❺ Hold the Hybrid Cleaner by the handle and put it in the water. Turn the Hybrid Cleaner upside down to remove any trapped air.

❻ Connect the hose end to the Hybrid Cleaner *(Drawing F)*. Make sure that the hose is firmly connected. Ensure that there is a small space between the locknut and the pipe.

❼ Release the Hybrid Cleaner in the pool.

Restart the pump

Cleaning Process

The Hybrid Cleaner continues to clean your pool as long as the pool pump is operating. The time required to cover all pool surfaces depends on the pool size. In general, 1-2 hours are sufficient.

During operation, refer to the indicator lights (Drawing G) on the cleaner to make sure that the Hybrid Cleaner is functioning properly (see table below).

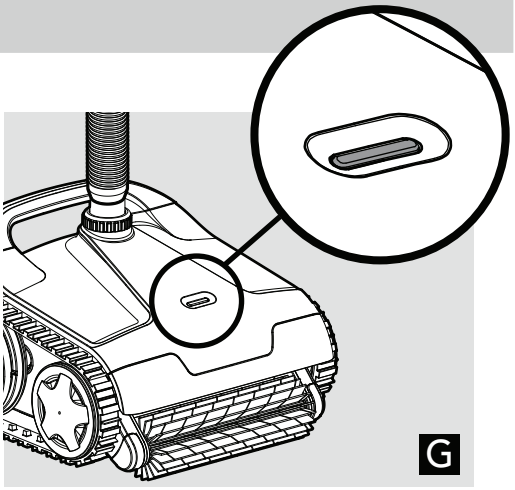


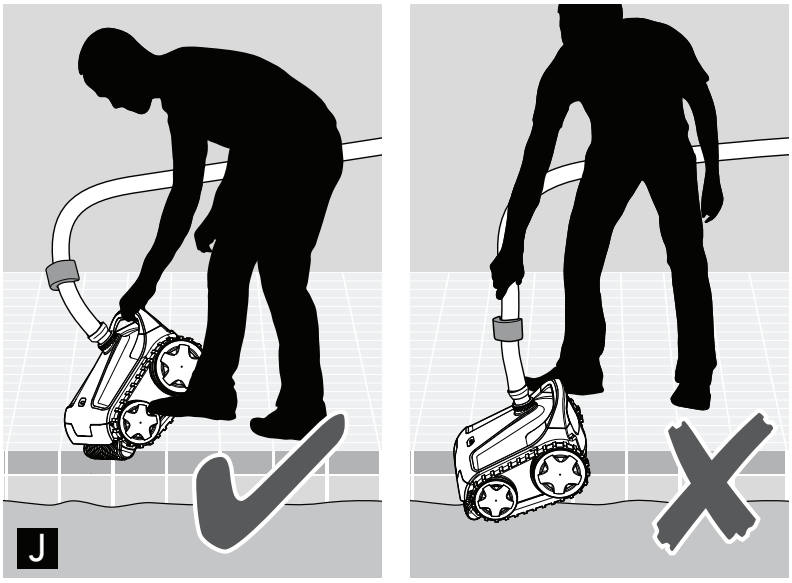
Table 2: Indicator Lights

Light	Indication
Red (2 sec.)	Start of operation
Blue — slow blinking	Proper functioning — The Hybrid Cleaner is moving forward.
Blue — fast blinking	Proper functioning — The Hybrid Cleaner is making a turn.
Blue and red (2 sec.)	Proper functioning — The Hybrid Cleaner identifies a wall.
Red — blinking	• Insufficient flow — To correct unsatisfactory flow, refer to Table 1. • Use the Troubleshooting Guide (Table 3) .

Removal from the Pool and Storage

When you choose to remove the Hybrid Cleaner from the pool:

1. Ensure to switch the pool pump OFF.
2. Disconnect the Skimmer Adaptor from the suction line opening.
3. Disconnect the Safety Valve.
4. Disconnect the Hose Sections, pulling them slowly one-by-one out of the pool.
5. When you reach the section connected to the Hybrid Cleaner, grasp the Hybrid Cleaner handle and remove the Hybrid Cleaner from the pool *(Drawing J)*.

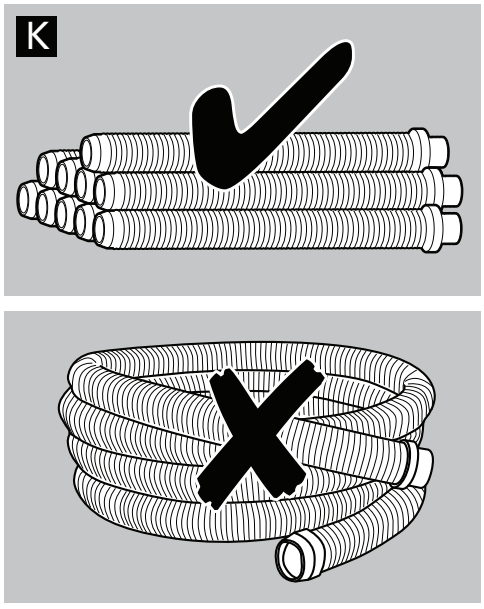


CAUTION

Remove the Hybrid Cleaner from the pool only by its handle!

6. Store the Hybrid Cleaner and Hose Sections out of direct sunlight. Do not store the Hybrid Cleaner where it will be exposed to excessive heat or frost. Make sure that Hose Sections are in a straight position *(Drawing K)*.
7. For longer life of the equipment, it is recommended to rinse the Hybrid Cleaner and parts with tap water.
8. Reopen all skimmers.

Note: To ensure longevity of your Pool Cleaner, it is recommended that the Pool Cleaner is removed from the pool when not in use, especially at times when superchlorination is performed.



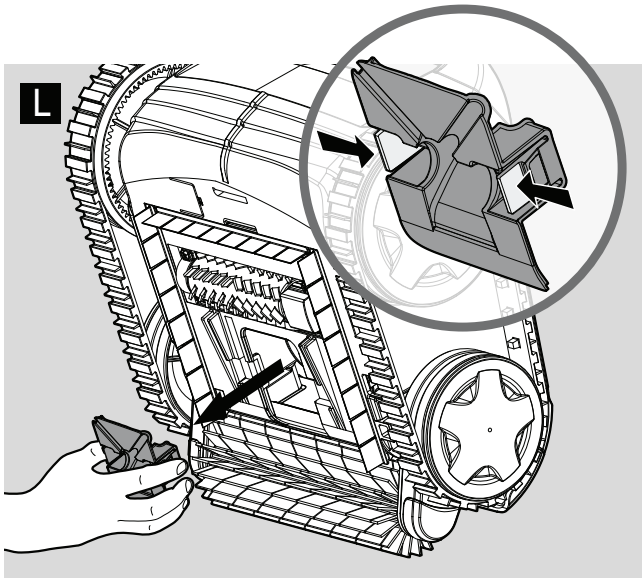
Troubleshooting

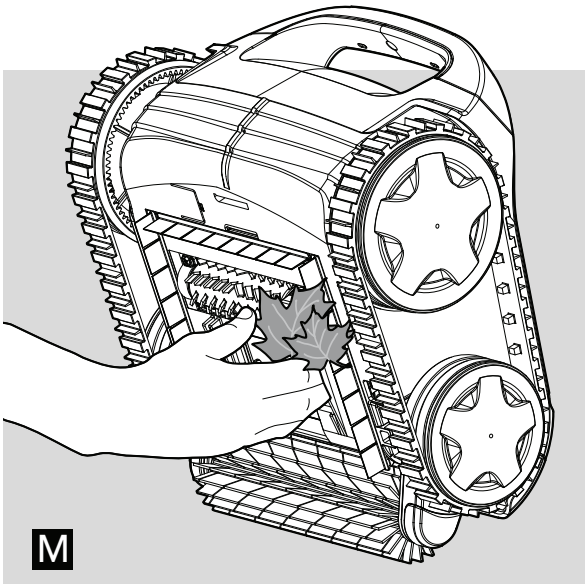
The Hybrid Cleaner is designed to operate with a minimum of user maintenance.
If a problem does occur, try to determine the cause. Often, the solution is already part of the standard operating instructions in this booklet. If you cannot solve the problem easily, contact your supplier.

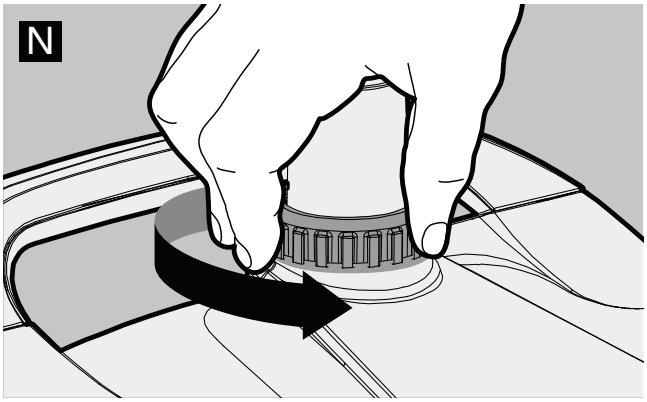
The following are typical problems that might occur and possible solutions.

Table 3: Troubleshooting

Symptom	Possible Solutions
The Cleaner does not move or moves slowly (without indicator light)	• Correct insufficient flow. *(Refer to Table 1).* • Remove the service opening cover on the Cleaner bottom *(Drawing L)* and clean out any trapped debris *(Drawing M).* • If a track slipped off the wheels, return it. If this occurs frequently, purchase replacement tracks from your supplier. • Contact your supplier for repair.
The Cleaner moves on the back wheels only	• Connect additional Hose Sections. • Correct excessive flow. *(Refer to Table 1).*
The Cleaner moves on the front wheels only	• Make sure that the Float is in the correct position. *(Refer to "Connect the Cleaner" on page 5).* • Remove the Float from the last Hose Section.
The Cleaner gets stuck on the pool drain	• Make sure to stop operation of the pool drain while the Cleaner is working.
The hose is twisted	1. Turn the pump **OFF**. 2. Remove the Cleaner from the pool. 3. Open the swivel and clean it *(Drawing N).* 4. Close the swivel properly and make sure the swivel moves freely.
The Cleaner is turning in circles	• The suction is below **MIN.** *(Refer to Table 1).* If this does not help, contact your supplier.
Air bubbles at the exit of the water from the jets, or a noise of air suction	1. Ensure that the hoses are firmly fastened.







Davey® Repair or Replacement Guarantee

In the unlikely event in Australia or New Zealand that this Davey product develops any malfunction within two years of the date of original purchase due to faulty materials or manufacture, Davey will at our option repair or replace it for you free of charge, subject to the conditions below.

Should you experience any difficulties with your Davey product, we suggest in the first instance that you contact the Davey Dealer from which you purchased the Davey product. Alternatively you can phone our Customer Service line on 1300 367 866 in Australia, or 0800 654 333 in New Zealand, or send a written letter to Davey at the address listed below. On receipt of your claim, Davey will seek to resolve your difficulties or, if the product is faulty or defective, advise you on how to have your Davey product repaired, obtain a replacement or a refund.

Your Davey Two Year Guarantee naturally does not cover normal wear or tear, replacement of product consumables (i.e. mechanical seals, bearings or capacitors), loss or damage resulting from misuse or negligent handling, improper use for which the product was not designed or advertised, failure to properly follow the provided installation and operating instructions, failure to carry out maintenance, corrosive or abrasive water or other liquid, lightning or high voltage spikes, or unauthorized persons attempting repairs. Where applicable, your Davey product must only be connected to the voltage shown on the nameplate.

Your Davey Two Year Guarantee does not cover freight or any other costs incurred in making a claim. Please retain your receipt as proof of purchase; you **MUST** provide evidence of the date of original purchase when claiming under the Davey Two Year Guarantee.

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In Australia, you are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Should your Davey product require repair or service after the guarantee period; contact your nearest Davey Dealer or phone the Davey Support Centre on the number listed below.

For a complete list of Davey Dealers visit our website (davey.com.au) or call:

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